

ABSTRACT

A prefetching program preliminarily executes acquisition of SQL statements which are executed repeatedly and an analysis of a content of such processing so as to grasp data to be fetched in advance. Immediately before executing the processing, starting of the processing is notified to the prefetching program. Based on a preliminary analysis result and a given cache amount, the prefetching program issues a setting of the cache amount and an instruction of a data prefetching method to a DBMS and a storage device. The prefetching program receives a report on completion of the processing and, thereafter, issues a request for releasing a cache allocated for the processing to the DBMS and other storage devices.